

Light Drawing

Dr Kathryn Harkup



An
illuminating
workshop on the
science of light and
photography

Light Drawing

Scientifically creative and creatively scientific

Science and art are often seen as opposites but they have much in common. The nature and properties of light have intrigued scientists and artists alike. Scientific discovery is a creative process and art has developed though incorporating technologies such as new materials, methods of creating an image through to high tech interactive installations. Photography is one of the best examples of where science and art merge. The pioneers of photography were scientists but artists have shown its use beyond the cataloguing of the world around us.



The Workshop*

90 to 120 minutes with a maximum of 30 people

Suitable for science and art classes this workshop aims to show the creative side of science. Starting with an interactive talk on the science of light and photography this workshop gives students a chance to apply their scientific knowledge to creative photography. Using LEDs, a bit of science and long exposure photography you can create stunning light images.



Curriculum Links

Suitable for Key Stages 2 to 4 and sixth form

This workshop relates to science curriculum topics on light - sources, transmission, reflection, diffraction, composition, quantisation; the eye - structure and function in response to light; electromagnetic spectrum - visible, IR and UV regions; red shift; LEDs; cameras - structure and function.



Contact

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